

Table SS 535-1: List of Materials — Precast Slab Box for 3Ø Pad-Mounted Transformers — Box Section

| Ref. No. | Description | Quantity |
|----------|--|----------|
| ① | 5" Dia. Plastic Conduit Terminators ^{a/} | 28 |
| ② | Capped Schedule 40 PVC 1" Conduit (See Detail 1) ^{b/} | 2 |
| ③ | Pull Irons 7/8" Dia. Vertical ^{c/} | 8 |
| ④ | 1/2" Dia. Plastic Inserts — Imper. Constr. Products — 15000 ^{d/} | 18 |
| ⑤ | Hold-Down Brackets, P-3200 Series Unistrut, 1'-2" Long ^{e/} | 2 |
| ⑥ | Hot-Dipped Galvanized 30" x 48" Steel Pull Box Frame ^{f/} | 1 |
| ⑦ | 1/2" Dia. Open Bottom Threaded Insert — Star #P35T ^{g/} | 6 |
| ⑧ | 30" Dia. 48" RPM Pull Box Cover ^{h/} | 1 |
| ⑨ | 1/2" x 2-1/2" Large S.S. Penta-Head Bolt with Captive Free-Spinning Round Flat S.S. Washer ^{i/} | 6 |

^{a/} Plastic conduit terminators will be an Edison-approved one-piece design.

^{b/} A one-inch dia. capped Schedule 40 PVC conduit will be installed as shown in Detail 1.

^{c/} Seven-eighths-inch pull irons will be designed for a working tension of 20,000 pounds plus a safety factor of 2.

^{d/} One-half-inch threaded plastic inserts will be Imperial Construction Products, Part No. 15000.

^{e/} Hold-down brackets will be P-3200 series Unistrut (or equivalent), 1'-2" long. Brackets will be hot-dipped galvanized after fabrication. The end of the two brackets adjacent to the slab cable entrance will be permanently blocked solid.

^{f/} 30" x 48" steel pull box frame will be constructed as shown in FC 608. Frame to be hotdipped galvanized after fabrication.

^{g/} One-half-inch open bottom metal threaded inserts will be Star, Part #P35T or equivalent. A cleanout hole will be provided under each insert.

^{h/} 30" x 48" RPM pull box cover will be constructed as shown in FC 618.

^{i/} 30" x 48" RPM pull box cover will be attached to cover frame/inserts with 1/2" x 2-1/2" long S.S. Penta-head bolts with captive free-spinning round flat S.S. washers.

Note(s):

- Design and construction of three-phase transformer slab box will conform to GI 030 wherever applicable (specification for precast reinforced concrete vaults and manholes).
- Walls will be painted white.
- No lifting inserts or like devices will be installed in floor of base section.
- No lifting inserts or like devices will be installed on top outside slab surface.
- Slab will be designed to support a maximum transformer weight of 30,000 pounds. For dimensional distribution of transformer loads, contact SCE Corp.
- Structural design will be approved by Los Angeles County Road and Bridge Department.

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| SS 535 Sheet 6 of 6 UGS | 10' x 12' Precast Slab Box for 3Ø Pad-Mounted Transformers — 1,500 kVA through 3,750 kVA | Approved by:  |
| | What's Changed? | Effective Date: 01-30-2009 |